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Software Development 1

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## Milestone UML Diagrams

#### Patient

- id: long
- givenName: StringfamilyName: Stringdiagnosis: StringphoneNumber: String
- insuranceProvider: String
- insuranceld: String
- + getId(): long
- + getGivenName(): String
- + getFamilyName(): String
- + getFullName(): String
- + getPhoneNumber(): String
- + getDiagnosis(): String
- + getInsuranceProvider(): String
- + getInsuranceId(): String
- + setGivenName(String): String
- + setFamilyName(String): String
- + setPhoneNumber(String): String
- + setDiagnosis(String): String
- + setInsuranceProvider(String): String
- + setInsuranceId(String): String

# <<interface>> PatientRepository extends JpaRepository

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#### PatientService

- patientRepository: PatientRepository
- parserService: ParserService

- + initBinder(WebDataBinder binder): void
- + addpatientFromFile(String filename): void
- + add(Patient patient): Patient
- + addMultiple(Patient[] patientArray): Patient[]
- + read(Long patiendId): Patient
- + readAll(): List<Patient>

#### PatientController

- patientService: PatientService
- + initBinder(WebDataBinder binder): void
- + readPatient(@PathVariable Long patiendId): ResponseEntity<Patient>
- + readAllPatients():
   ResponseEntity<List<Patient>>

#### ParserService

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- + initBinder(WebDataBinder binder): void
- + parsePatientFromFile(String fileName): Patient[]

#### XMLDOMParser

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- + parsePatientXML(String fileName): Patient[]
- + parsePatientList(NodeList patientNodeList):
   Patient[]
- + parsePatient(Element patient): Patient

### Application

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- + corsConfigurer(): WebMvcConfigurer
- + main(String[] args): void